



1 2 3

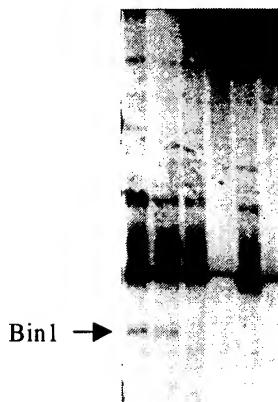


FIG. 1

FIG. 2A



	20	40	60	80
Bin1b	MKV-LLLFAVFFCLVQRNSG-----	DIPPGIRNTVCFMQRGHCRLFMCRSGERKGDI	CSDPWNRCVSSSIKNR-----	
EP2E	MKV-FFLFAVLFCLVQTNSG-----	DVPLGIRNTICRMQQGICRLFFCHSGEKRDI	CSDPWNCCVSNTDEEGKEKPEMDGRSGI	
BNBD9	-----	PEGVRNFVTCRINRGFCVPIRCGHRDQIGT	CLGPQIKCCR-----	
BNBD3	-----	PEGVRNHTCRINRGFCVPIRCGPRTRQIGTC	FGPRIKCCRSW-----	
BNBD7	-----	PEGVRNFVTCRINRGFCVPIRCGHSRQIGTC	LGPRKCCR-----	
TAP	MREHHHLALLFPLVLSAWSG-----	FTQGVGNPVSCVRNKGICVPIRCGSMKDQIGTC	VGRAYKCCRKK-----	
LAP	MRLHHHLALLFPLVLSAGSG-----	FTQGVRSQSCCRNRKGICVPIRCGSMRDQIGTC	LGAQVKCCRKK-----	
EBD	MRLHHHLTLFLVLSAGSG-----	FTQGSNPLSCLRNLRGICVPIRCGPNLRQIGTC	FTPSKCCRWR-----	
HBD1	MRTSYLLFTLCLLSEMASGGNFLTGLGHRSDHY	NCVSSGGQCLYSACPIFTKIQGTCYRGKA	CCCK-----	
HBD2	MRVLYLLFSFLIFLMPMLPG-----	VFGGEGDPVTCLKSGAICHCPVFCPRRYKDQIGTC	GLPGTKCCKP-----	
HBD3	MRTIHYLLFALLFPLVVPVPHG-----	GIINTLQKYYCRVRRGGCAVLSCPKEEDQIGKC	STRGRCCCRKK-----	
CBD1	MRTSYLLFTLCLLSEMASGGNFLTGLGHRSDHY	NCVSSGGQCLYSACPIFTKIQGTCYRGKA	CCCK-----	
CBD2	MRVLYLLFSFLIFLMPMLPG-----	VFGGEGDPVTCLKSGAICHCPVFCPRRYKDQIGTC	GLPGTKCCKP-----	
MBD1	MKTHYFLVUMCFLFSQMEPGVGILTSLGRRRTDQ	YKCLQHGGFLRSSCPNSTKLQGTCKPDKPNCCKS	-----	
MBD2	MRTLCSLLLICLLFSYTTPAVGSLSKISIGYEAE	DHCHTNGGCVRAICPPSARRPGSCFPEKNPCCKYM	-----	
MBD3	MRTIHYLLFAFLVLSPPAA-----	FSKKNNNPVSLRKGGRCWNR-CIGNTRQIGSCGVPF	CCCRK-----	
MBD4	MRTIHYLLFTFLVLLSPLA-----	FTQIENNPICTMNTNGAICWGP-CPTAFRQIGNCGHFK	WCCCKIR-----	
RBD1	MKTHYFLVUMCFLFSQMELGAGILTSLGRRRTDQ	YRCLQNNGFCRLSSCPSHTKLQGTCKPDKPCNCRS	-----	
RBD2	MRTIHYLLFSFLVLSPLA-----	FTQSTNNPICLTKGGVCWGP-CTGGFRQIGTCGLP	PRVKCCRKK-----	
GBD1	MRLHHHLLLVLFLLVLSAGSG-----	FTQGMRSSRSCHRNKGVCALTRCPRNMRDQIGTC	FGPPVKCCRKK-----	
GBD2	MRLHHHLALFPLVLSAGSG-----	FTQGJNHRSRCRNKGVCAPARCPRNMRDQIGTC	HPPVVKCCRKK-----	
SBD1	MRLHHHLLLVLFVVVLVLSAGSG-----	FTQGVNRNLSCHRNRKGVCVSPRCPRHMHQIGTC	RGPPVKCCRKK-----	
SBD2	MRLHHHLLLVLFVVVLVLSAGSG-----	FTHGWTDSSLSCRWKKGICVLTCPGTMRDQIGTC	FGPPVKCRLK-----	
PBD1	MRLHHHLLVFLMVLVLPVPG-----	LLKNIGNSVSCLRNKGVCMPGKCAPKMKDQIGTC	GMPOVKCCRKK-----	
Gall1	-----	GRKSDCFRKSGFCFLKCPSLTLISGKCSRFYD	-CCKRIW-----	
Gall2	-----	GRKSDCFRKNGFCFLKCPYLTLISGKCSRFB	-CCKRIW-----	
Gal12	-----	LFC--KGGSCFGGCPSPHLIKGSCCFGFRS	-CCKWPWNA-----	
THP1	MRTIHYLLFPFILFLAQAAG-----	SSLAEGKREKCLRRNGFCFLKCPTLSVISGCSRFO	-CCKTLLG-----	
THP2	MRTIHYLLFSLEFLAQVS-----	PGLSSPKRDMFLFC--KRGTCFGRCPSHLIKGSC	CFGFRS-CCKWPWDA-----	

m 1 C g C Cp g C CC

FIG. 2B

	20	40	60
Bin1b	MKVLLFAVFFCLVQRNS-----		
EP2E	MKVFFLFAVLFCLVQTN-----		
EP2D	MRQRLLPSVTSLLLVALLFPGSSQARHVNHSA	TEALGELRERAPGQGTNGFOLLRHAVKRDL	LLPRT-----
HE2b1	MRQRLLPSVTSLLLVALLFPGSSQARHVNHSA	TEALGELRERAPGQGTNGFOLLRHAVKRDL	LLPRT-----

	80	100	120
Bin1b	---GDIPPGIRNTVCFMQRGHCRLFMCRSGERKGDI	CSDPWNRCVSSSIKNR-----	
EP2E	---GDVPEGIRNTICRMQQGICRLFFCHSGEKRDI	CSDPWNCCVSNTDEEGKEKPEMDGRSGI	
EP2D	PPYQGDVPLGIRNTICRMQQGICRLFFCHSGEKRDI	CSDPWNCCVSNTDEEGKEKPEMDGRSGI	
HE2b1	PPYQGDVPPGIRNTICRMQQGICRLFFCHSGEKKRDI	CSDPWNCCVSNTDEEGKEKPEMDGRSGI	

FIG. 2C

FIG. 3A

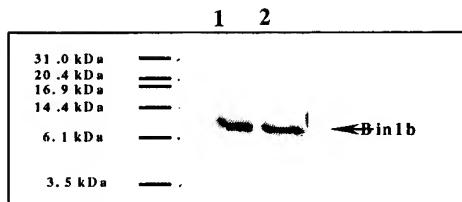


FIG. 3B

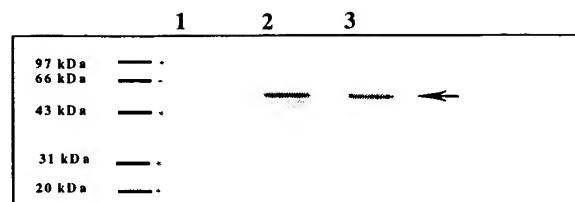
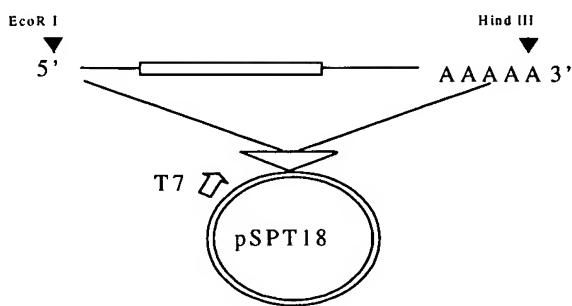


FIG. 3C



NI I CL FT W E1 E2 M



FIG. 4

FIG. 5A

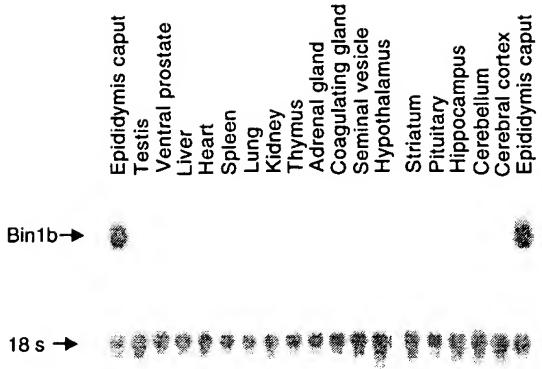


FIG. 5B

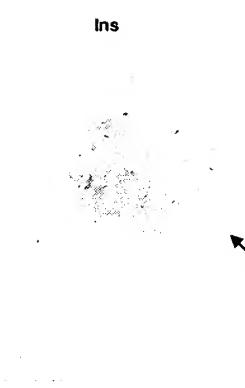


FIG. 5C

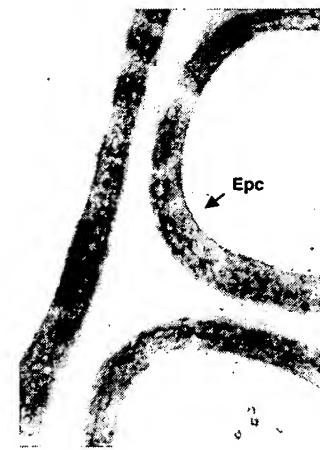


FIG. 5D

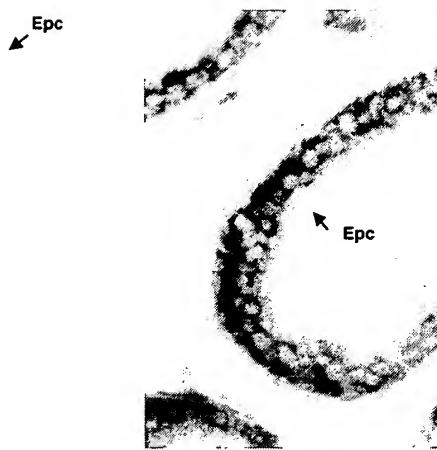


FIG. 5E

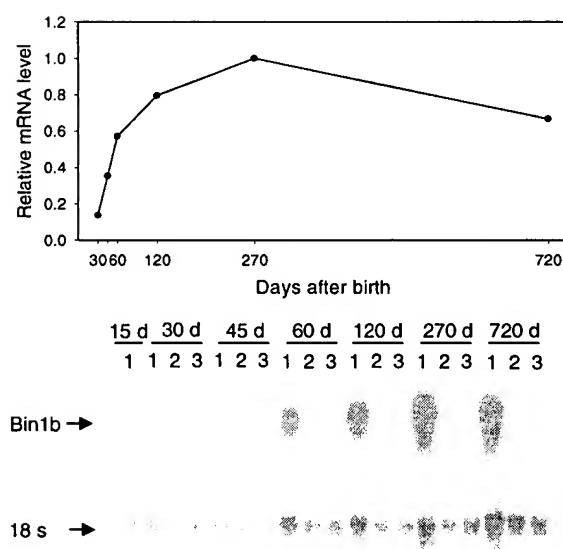


FIG. 6A

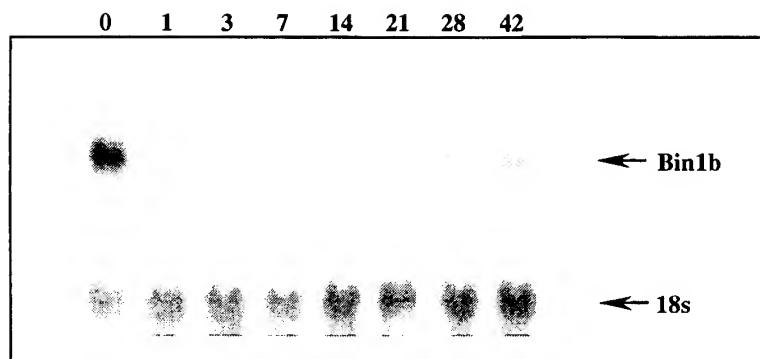


FIG. 6B

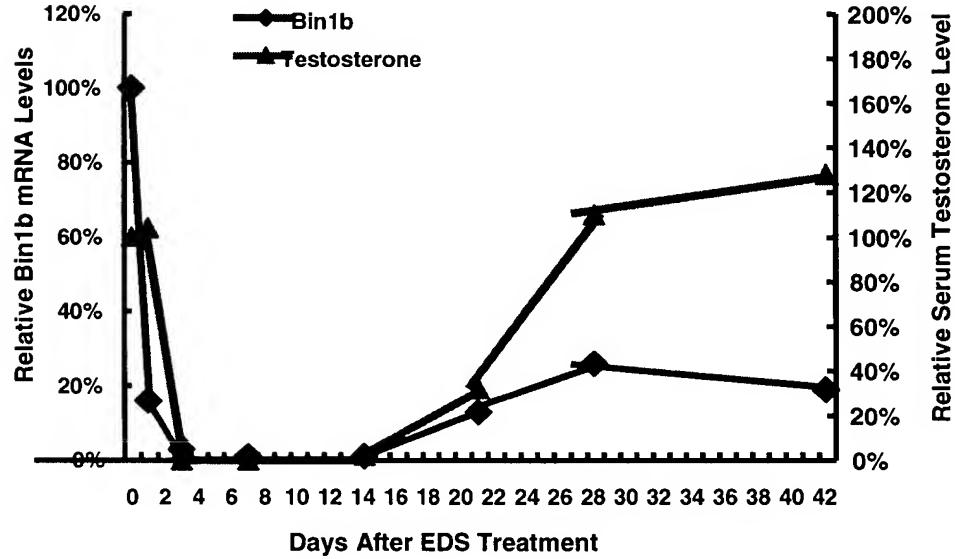


FIG. 7A

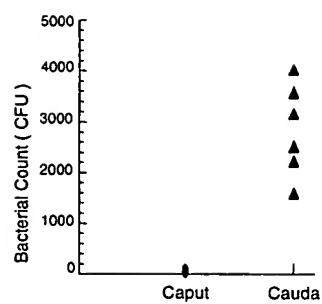


FIG. 7B

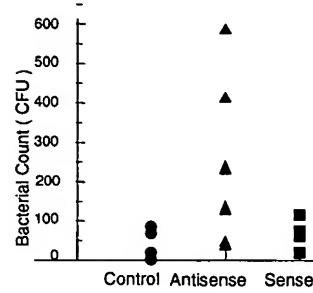


FIG. 7C

